

What is claimed is:

1 1. A plasma display panel, comprising:
2 a first substrate;
3 a second substrate;
4 a rib structure disposed on the second substrate to
5 space the second substrate from the first
6 substrate, wherein the rib structure partitions
7 off the second substrate into a plurality of
8 first, second and third sub-pixels adjacent to
9 each other, and both the first and second sub-
10 pixels are smaller than the third sub-pixels;
11 red phosphor disposed on each first sub-pixel;
12 green phosphor disposed on each second sub-pixel;
13 and
14 blue phosphor disposed on each third sub-pixel;
15 wherein adjacent first, second and third sub-pixels
16 form a pixel and all of the pixels between the
17 first and second substrates are filled with
18 neon gas.

1 2. The plasma display panel as claimed in claim 1,
2 wherein every first sub-pixel with red phosphor is
3 smaller than every second sub-pixel with green phosphor.

1 3. The plasma display panel as claimed in claim 2,
2 further comprising a plurality of first, second and third
3 address electrodes disposed on the second substrate and
4 in the center of the first, second and third sub-pixels
5 correspondingly.

1 4. The plasma display panel as claimed in claim 3,
2 wherein the first, second and third sub-pixels are
3 hexagonal.

1 5. The plasma display panel as claimed in claim 3,
2 wherein the first and second sub-pixels with red and
3 green phosphors respectively are hexagonal and the third
4 sub-pixels with blue phosphor are octagonal.

1 6. The plasma display panel as claimed in claim 5,
2 wherein the second sub-pixels with green phosphor are
3 equilaterally hexagonal.

1 7. The plasma display panel as claimed in claim 5,
2 wherein each pixel is dodecagonal.

1 8. A plasma display panel, comprising:
2 a first substrate;
3 a second substrate;
4 a rib structure disposed on the second substrate to
5 space the second substrate from the first
6 substrate, wherein the rib structure partitions
7 off the second substrate into a plurality of
8 first, second and third sub-pixels adjacent to
9 each other, and both of the first and second
10 sub-pixels are smaller than the third sub-
11 pixels;
12 red phosphor disposed on each first sub-pixel;
13 green phosphors disposed on each second sub-pixel;
14 blue phosphors disposed on each third sub-pixel,
15 wherein adjacent first, second and third sub-

16 pixels form a pixel and all of the sub-pixels
17 between the first and second substrates are
18 filled with Neon;
19 a plurality of first address electrodes disposed on
20 the second substrate and on the center of first
21 sub-pixels;
22 a plurality of first address electrodes disposed on
23 the second substrate and in the center of the
24 first sub-pixels;
25 a plurality of second address electrodes disposed on
26 the second substrate and in the center of the
27 second sub-pixels; and
28 a plurality of third address electrodes disposed on
29 the second substrate and in the center of the
30 third sub-pixels.

1 9. The plasma display panel as claimed in claim 8,
2 wherein every first sub-pixel with red phosphor is
3 smaller than or equal to every second sub-pixel with
4 green phosphor.

1 10. The plasma display panel as claimed in claim 8,
2 wherein the first, second and third sub-pixels are
3 hexagonal.

1 11. The plasma display panel as claimed in claim 8,
2 wherein the first and second sub-pixels with red and
3 green phosphors respectively are hexagonal and the third
4 sub-pixels c with blue phosphor are octagonal.

1 12. The plasma display panel as claimed in claim
2 11, wherein the second sub-pixels with green phosphor are
3 equilaterally hexagonal.

1 13. The plasma display panel as claimed in claim 8,
2 wherein each pixel is dodecagonal.